

PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q80987

Isao MATSUDA, et al.

Appln. No.: Unknown

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: April 09, 2004

Examiner: Unknown

For: METHOD FOR PREPARING GLUCOSE POLYMER HAVING ION-EXCHANGING
ABILITY AND COMPOSITION CONTAINING THE SAME

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents, other than any U.S. patents and patent publications, is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

INFORMATION DISCLOSURE STATEMENT
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filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations:

English language abstracts or partial translations, submitted herewith, constitute concise statements of relevance for Japanese Un-Examined Patent Publications No. 4-209644, 7-41554, 63-54390, 4-233901, 60-226502, and 63-165393 and for Non Patent Documents Tenside Detergents, 1977, 14: 250-256 and Handbook of Starch Science, 1997, pp.53-54. The abstract for JP 63-165393 is the attached abstract for EP 0268974.

Additionally, each of the listed foreign language documents are cited and discussed in the Background of the Invention section at pages 1 to 5 of the specification in the above identified-application.

Further, applicant points out that they are enclosing only the first page of the Netherlands Patent Application No 7,012,380, and that the listed GB 1330121 corresponds to Netherlands Patent Application No. 7,012,380.

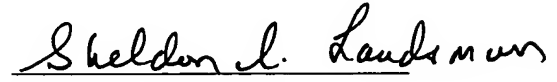
Still further, JP 56-29512 corresponds to the listed U.S. 4,247,568.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,


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WASHINGTON OFFICE

23373
CUSTOMER NUMBER

Date: April 9, 2004

Substitute for Form 1449 A & B/PTO <u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u> <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	Unknown
				Confirmation Number	Unknown
				Filing Date	April 09, 2004
				First Named Inventor	Isao MATSUDA
				Art Unit	Unknown
Examiner Name	Unknown				
Sheet	1	of	1	Attorney Docket Number	Q80987

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 4,959,466		09-25-1990	John F. White
		US 3,732,207		05-08-1973	Leslie P. Kovats
		US 3,766,165		10-16-1993	Hans H. Rennhard
		US 4,247,568		01-27-1981	Roy Carrington, et al.
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	4-209644	A	07-31-1992	UNILEVER NV	Abstract
		JP	7-41554	A	02-10-1995	KA0 CORP	Abstract
		JP	63-54390	A	03-08-1988	KAWAKEN FINE CHEM CO LTD	Abstract
		NL	7,012,380, Page 1		02-23-1971	UNILEVER NV	
		JP	4-233901	A	08-21-1992	FERTEC FERRUZZI RIC & TECNOL SARL	Abstract
		JP	60-226502	A	11-11-1985	MITSUBISHI GAS CHEM CO INC	Abstract
		JP	63-165393	A	07-08-1998	Hoechst	Abstract
		JP	56-29512	B2	07-08-1981		
		GB	1,330,121		09-12-1973	UNILEVER LTD	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		M. Diamantoglou, et al., "Polycarboxylate aus Polysacchariden, Holz und holzahnlich zusammengesetzten Stoffen als neoartige Sequestriermittel", TENSIDE DETERGENTS, 14:250-256 (1977)	Abstract
		M.S. Nieuwenhuizen ET AL, "Preparation and Calcium Complexation Properties of a Series of Oxidized Polysaccharides, Structural and Conformational Effects", Starch/Starke, Vol. 37, pp 192-200 (1985)	
		Handbook of Starch Science, 1997, pp. 53-54, published by Asakura Publishing Co.	Partial

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.